

IGNITION TIMING INSPECTION

EM0F8-02

1. WARM UP ENGINE

Allow the engine to warm up to normal operating temperature.

2. CONNECT LEXUS HAND-HELD TESTER OR OBDII SCAN TOOL

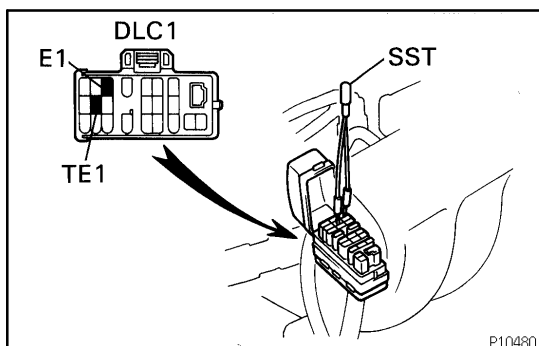
- (a) Connect the LEXUS hand-held tester or OBDII scan tool to the DLC3.
- (b) Please refer to the LEXUS hand-held tester or OBDII scan tool operator's manual for further details.

3. CONNECT TIMING LIGHT TO ENGINE

4. CHECK IDLE SPEED

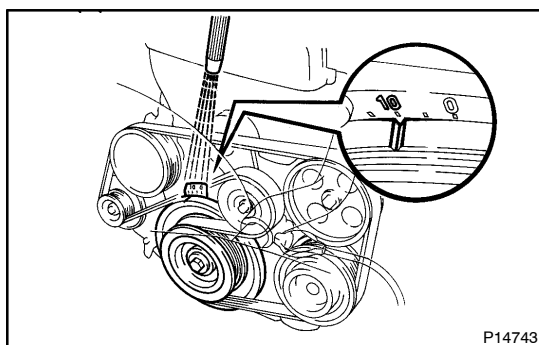
- (a) Race the engine speed at 2,500 rpm for approx. 90 seconds.
- (b) Check the idle speed.

Idle speed: 700 ± 50 rpm

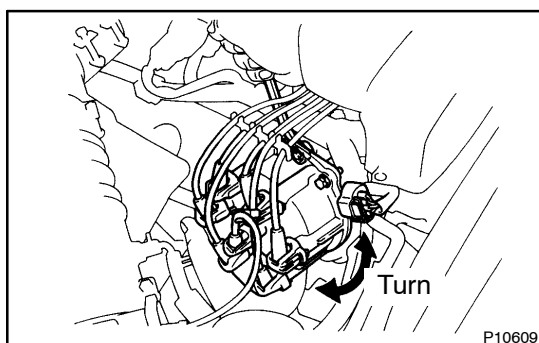


5. INSPECT AND ADJUST IGNITION TIMING

- (a) Using SST, connect terminals TE1 and E1 of the DLC1.
SST 09843-18020



- (b) Using a timing light, check the ignition timing.
Ignition timing: 10 ± 2° BTDC @ idle
(Transmission in neutral position)



- (c) Loosen the nut, and adjust by turning the distributor.
Ignition timing: 10 ± 2° BTDC @ idle
(Transmission in neutral position)
- (d) Tighten the nut, and recheck the ignition timing.
Torque: 19 N·m (195 kgf·cm, 14 ft·lbf)
- (e) Remove the SST from the DLC1.
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6. **FURTHER CHECK IGNITION TIMING**
Ignition timing: 7 - 19° BTDC @ idle
(Transmission in neutral position)

HINT:

The timing mark moves in a range between 7° and 19°.

- 7. DISCONNECT TIMING LIGHT FROM ENGINE**
- 8. DISCONNECT LEXUS HAND-HELD TESTER OR OBDII SCAN TOOL**